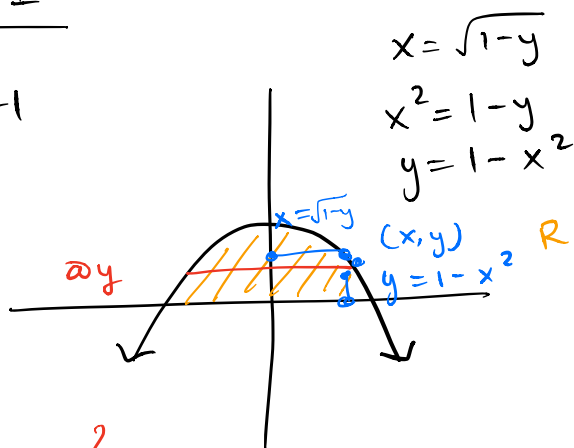
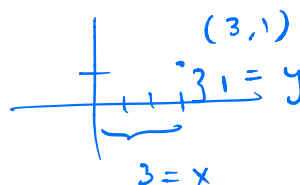


OH 1

#71

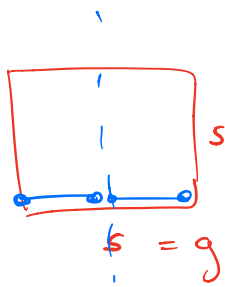


~~πR^2~~
 ~~$\pi (R^2 - r^2)$~~



$\}$
 area of cross section at $y : 0 \leq y \leq 1$

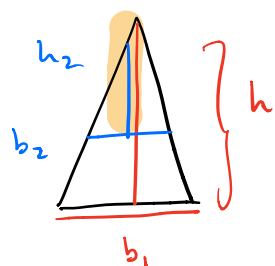
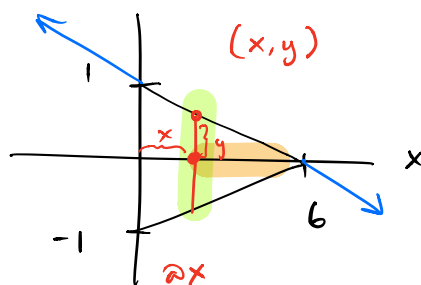
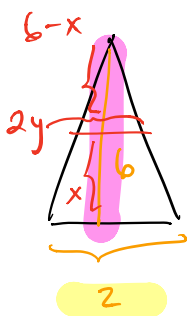
$A(y) = ??$



area of a square $= s^2$

p. 137 $\int_a^b A(x) dx$

#63 area of a square $A = s^2 = l \times w$

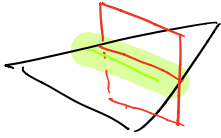


similar triangles

$$\frac{6-x}{6} = \frac{2y}{2}$$

$$\frac{h_2}{h_1} = \frac{b_2}{b_1}$$

$$\frac{6-x}{6} = y$$



side length of this square

$$A = \frac{1}{9}x^2$$

$$s = \frac{x}{3}$$

suggestion?



$$A = (2y)^2$$

0#2